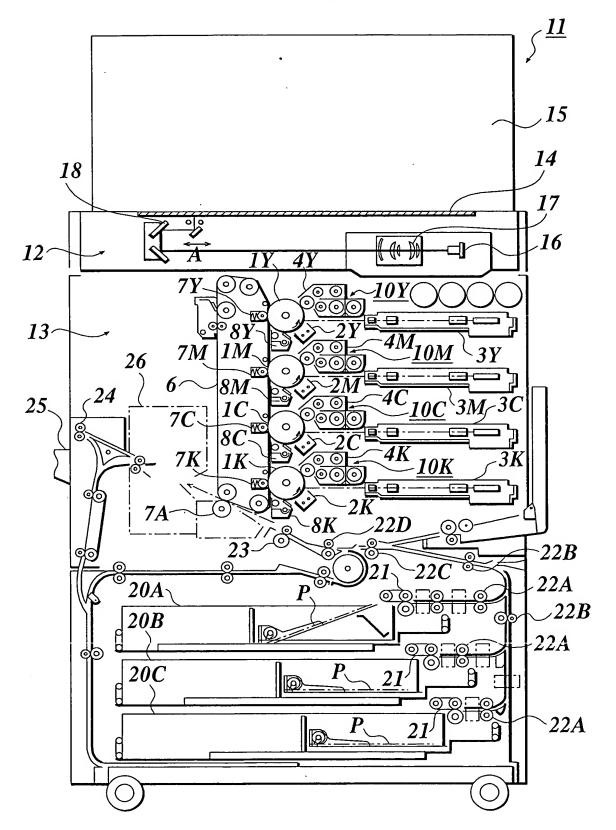
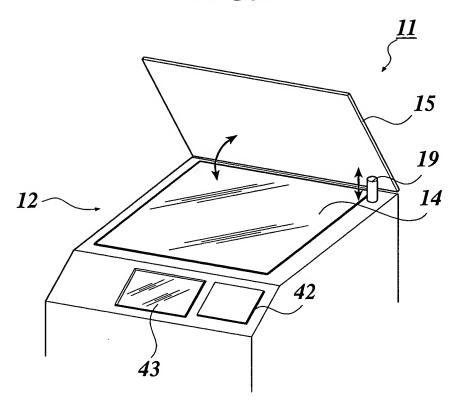
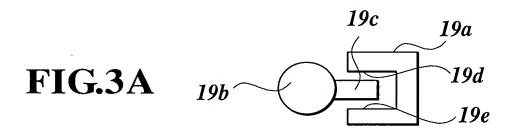
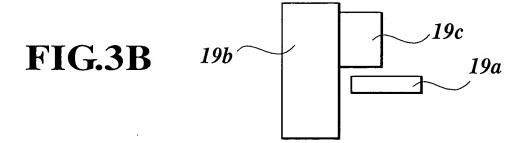
1/14 **FIG.1**



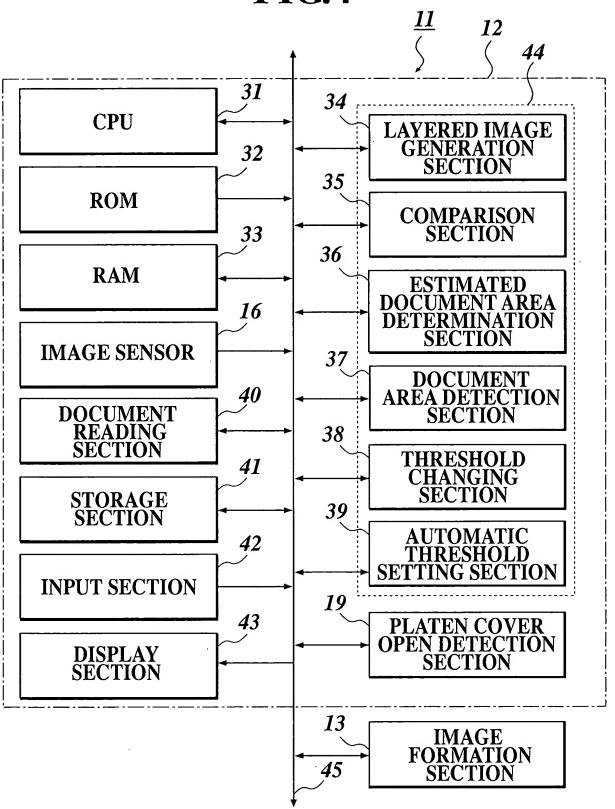
2/14 FIG.2



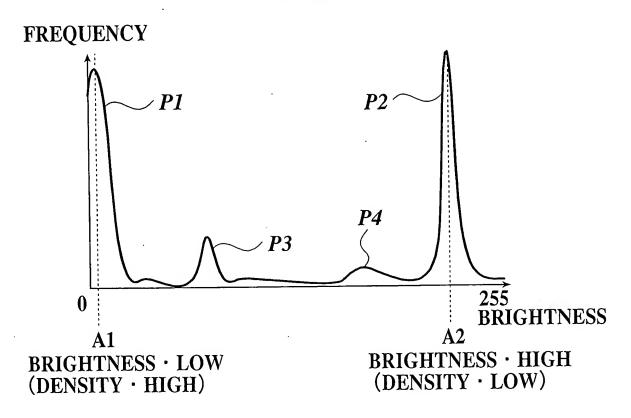


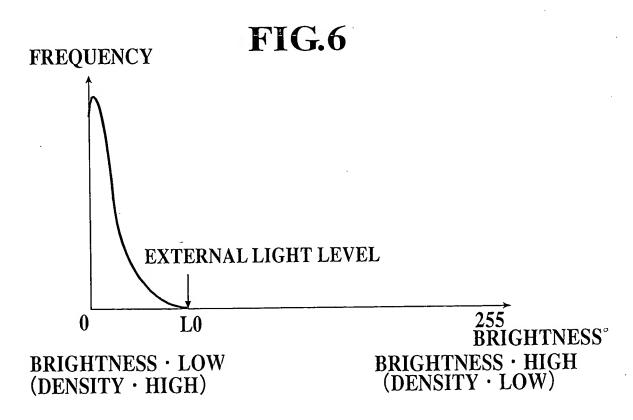


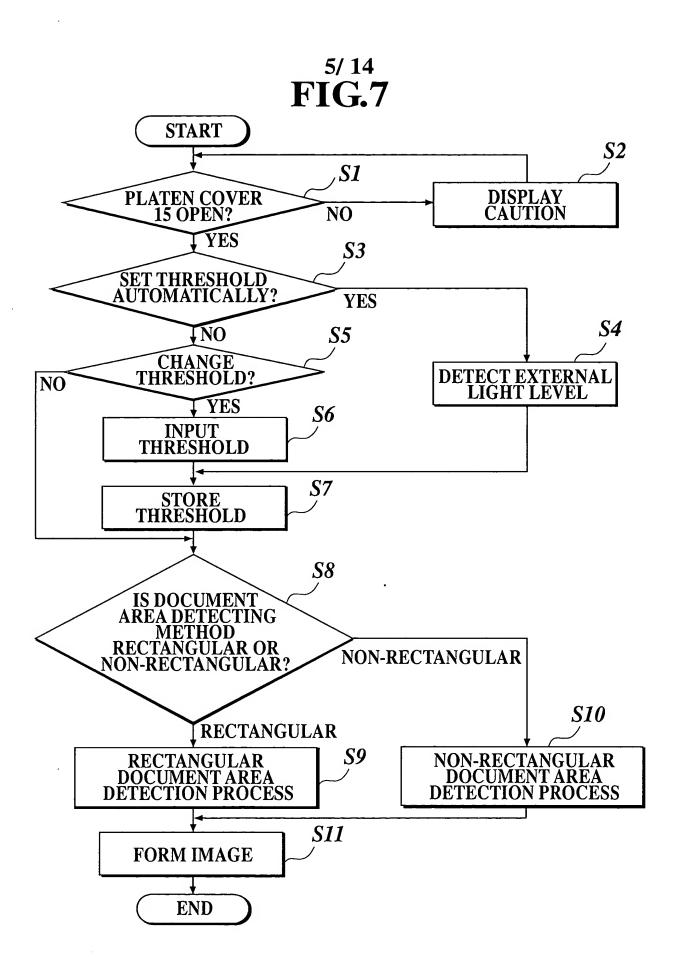
3/14 **FIG.4**



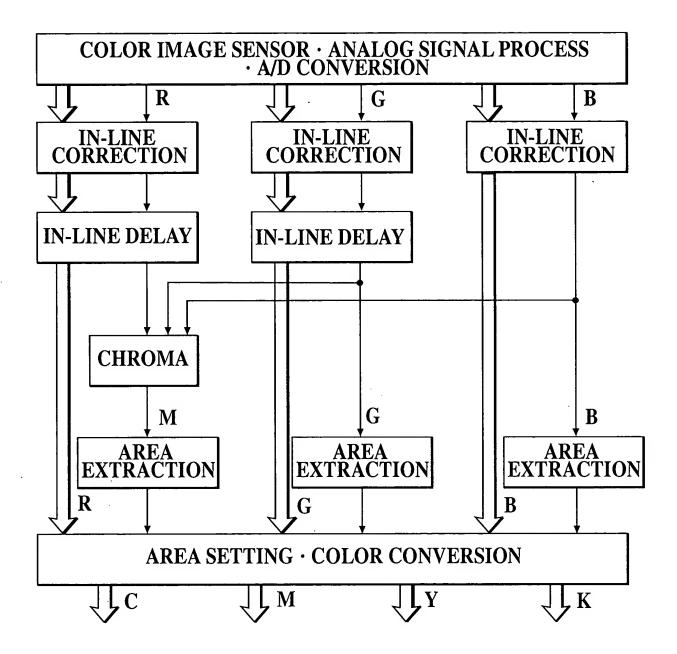
4/14 FIG.5







6/14 **FIG.8**



7/ 14 FIG.9A

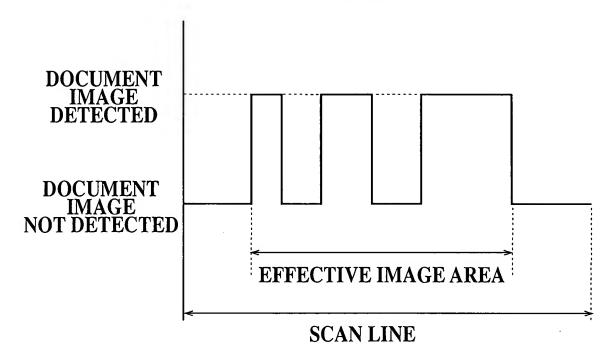
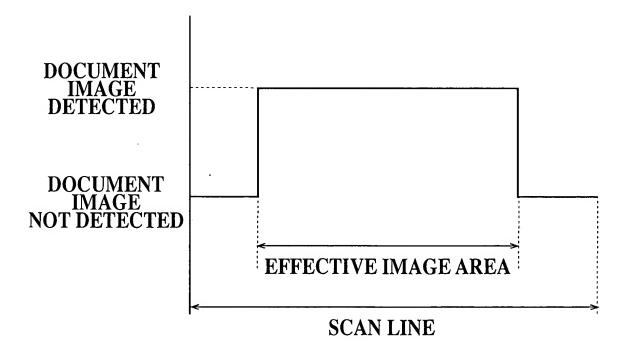
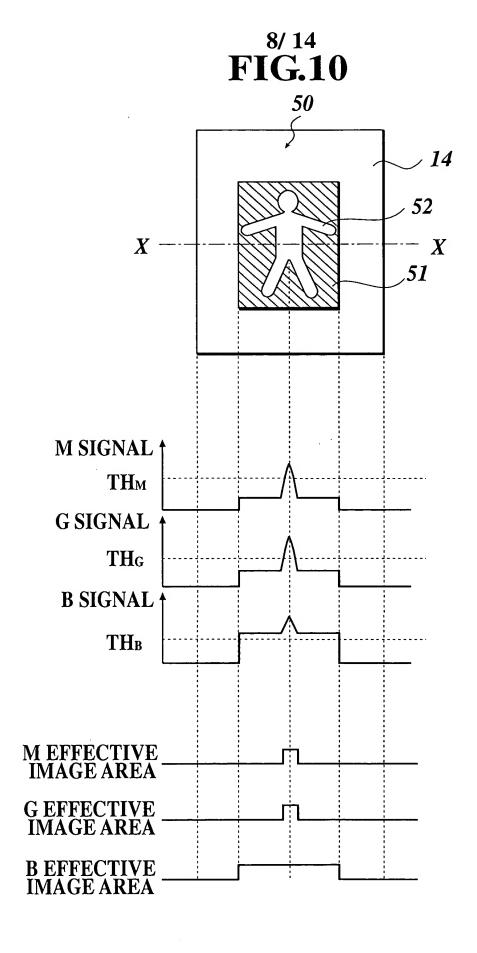


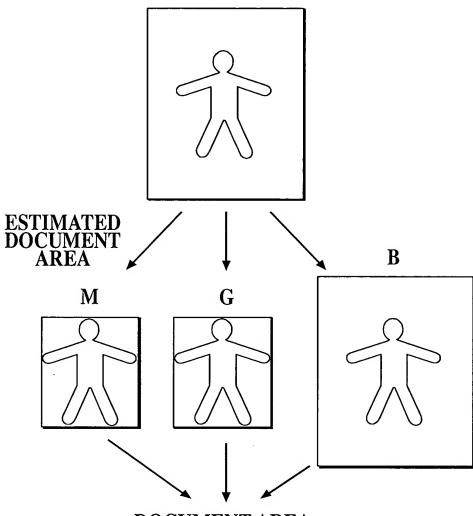
FIG.9B



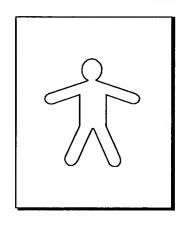


9/ 14 **FIG.11**

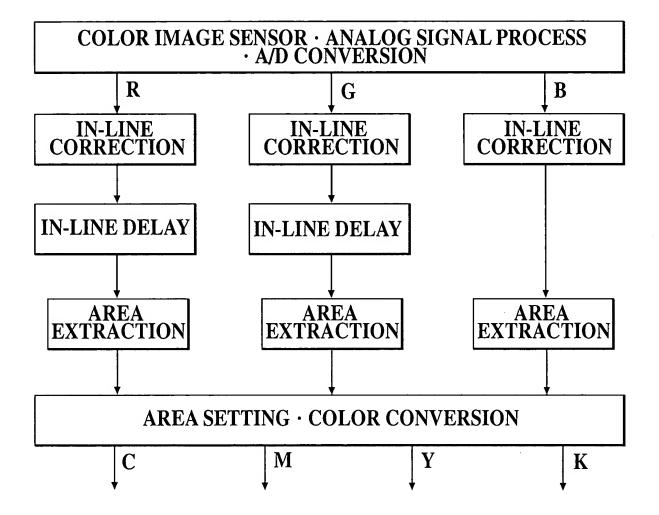
DOCUMENT

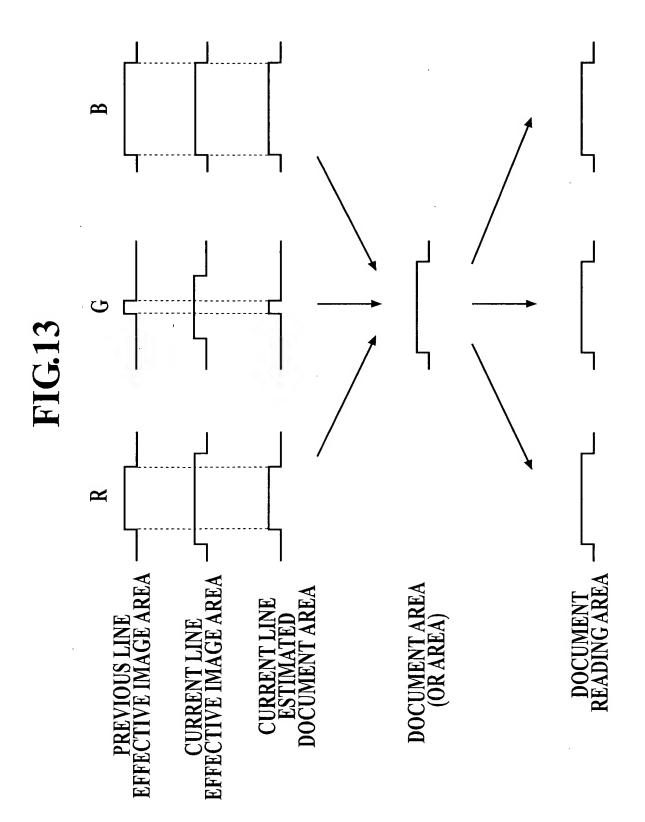


DOCUMENT AREA



10/ 14 FIG.12





SUB SCANNING DIRECTION

FIG.14A

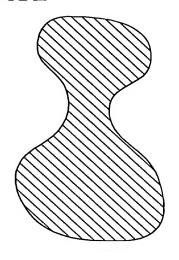


FIG.14B

RECTANGULAR DOCUMENT AREA DETECTION

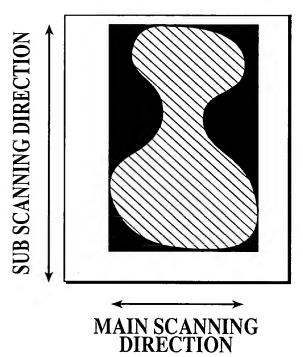
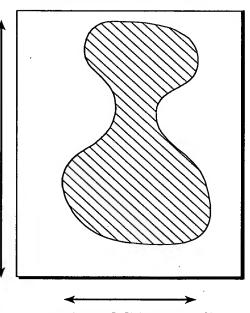


FIG.14C

NON-RECTANGULAR DOCUMENT AREA DETECTION



MAIN SCANNING DIRECTION

FIG.15

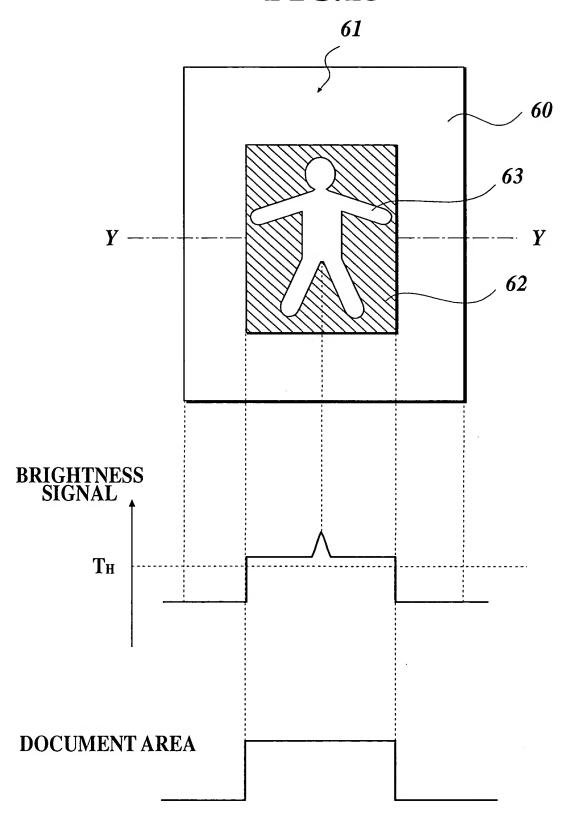


FIG.16

